

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.	D0570.70005US01
<i>First Named Inventor or Application Identifier</i>	
GRAY, Larry B.	
Express Mail Label No.	EV 292 561702 US

Date of Deposit

October 30, 2003

<b>APPLICATION ELEMENTS</b> <i>See MPEP chapter 600 concerning utility patent application contents</i>		<b>ADDRESS TO:</b>	<b>Mail Stop Patent Application</b> Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form <i>(Submit an original, and a duplicate for fee processing)</i></p> <p>2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total pages 72] 68 - pages description 1 - pages abstract 3 - pages claims      13 - Total claims</p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total sheets 23]     <input type="checkbox"/> Informal    <input checked="" type="checkbox"/> Formal [Total drawings 29]</p> <p>5. <input checked="" type="checkbox"/> Oath or Declaration [Total pages 2] a. <input type="checkbox"/> Newly executed (original or copy) b. <input checked="" type="checkbox"/> Copy from a prior application i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>If 5b is checked the entire disclosure of prior applications,</p> <p>Serial No. 10/141,529 and 09/357,644</p> <p>from which an oath or declaration is supplied, is considered as part of the disclosure of the accompanying application as is hereby incorporated by reference therein. The incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts.</p> <p>6. <input checked="" type="checkbox"/> Application Data Sheet, See 37 CFR 1.76</p>			
<p>7. <input type="checkbox"/> CD-ROM or CD-R, in duplicate, large table or Computer Program (Appendix)</p> <p>8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable; all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. <input type="checkbox"/> Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper (identical to computer copy) c. <input type="checkbox"/> Statement verifying identity of above copies</p> <p><b>ACCOMPANYING APPLICATION PARTS</b></p> <p>9. <input type="checkbox"/> Assignment Papers/cover sheet &amp; documents(s)</p> <p>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <i>(when there is an assignee)</i>     <input type="checkbox"/> Power of Attorney</p> <p>11. <input type="checkbox"/> English Translation of Document <i>(if applicable)</i></p> <p>12. <input checked="" type="checkbox"/> Information Disclosure Statement PTO-1449     <input type="checkbox"/> Copies of IDS Citations</p> <p>13. <input type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i></p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i></p> <p>16. <input type="checkbox"/> Request and Certification Under 35 U.S.C. §122(b)(2)(B)(ii)</p> <p>17. <input type="checkbox"/> Other: _____ _____ _____</p>			

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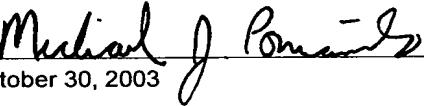
**18. NOTE TO PRACTITIONERS:** If a CONTINUING APPLICATION, supply the requisite priority or continuity information in (1) the body of the application, or in a preliminary amendment, and (2) in an Application Data Sheet under 37 CFR 1.76.

**19. CORRESPONDENCE ADDRESS**

*Correspondence address below*

**CUSTOMER NUMBER:**  
23628

**20. SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED**

<b>NAME</b>	Michael J. Pomianek, Ph.D., Reg. No. 46,190
<b>SIGNATURE</b>	
<b>DATE</b>	October 30, 2003

746195

Inventor(s): GRAY, Larry B.

Serial No: Not yet assigned

Confirmation No.:

Filed: Herewith

CHECK BOX, if applicable:

For: PUMP CHAMBER HAVING AT LEAST ONE SPACER FOR  
INHIBITING THE PUMPING OF A GAS DUPLICATE

## Fee Calculation Sheet

CLAIMS	FOR	NUMBER FILED	NUMBER EXTRA	RATE	Fee
	TOTAL CLAIMS (37 CFR 1.16(c))	13-20=	0x	\$ 18.00	= \$ 0.00
	INDEPENDENT CLAIMS (37 CFR 1.16(b))	3-3=	0 x	\$ 86.00	= \$ 0.00
	MULTIPLE DEPENDENT CLAIMS (if applicable) (37 CFR 1.16(d)) +			\$	= \$
				BASIC FEE (37 CFR 1.16(a))	\$ 770.00
	Fee for Petition for Extension of Time (if any)			\$	0.00
	Other Fees (if any)			\$	0.00
			Total of above Calculations =	\$	770.00
	Reduction by 50% for filing by small entity (Note 37 CFR 1.9, 1.27, 1.28)			\$	0.00
	Assignment Recordation Fee (if any)			\$	0.00
			TOTAL =	\$	770.00

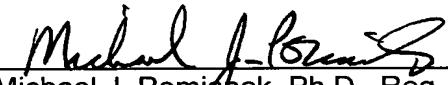
1. A check in the amount of \$ 770.00 is enclosed.

## General Authorization to Charge Deposit Account and General Request for Extension of Time

2. a  If the filing of any paper in this application necessitates the payment of a fee under 37 CFR §§  1.16 or  1.17, and the fee due is in an amount different from any enclosed check or if no check is enclosed, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 23/2825.

b.  The applicant hereby revokes any prior authorization to charge a fee due under 37 CFR §§  1.16  1.17 or  1.18.

3. If the filing of any paper in this application necessitates an extension of time under 37 CFR § 1.136(a), the applicant hereby requests such extension of time. If the fee due is in an amount different from any enclosed check or if no check is enclosed, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 23/2825.

  
 Michael J. Pomianek, Ph.D., Reg. No. 46,190  
 Wolf, Greenfield & Sacks, P.C.  
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 Boston, MA 02210-2211  
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Date: October 30, 2003